Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	12/10/2021 10:03 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124120	-1	1.42	124040	1.33
Blue	F	SSC	125000	124246	-1	2.41	124644	2.27
Blue	E	FITC	13131	12658	-4	2.5	292	16.72
Blue	D	PE	24112	23439	-3	1.97	537	11.07
Blue	B	PerCP-Cy5-5	31295	30217	-4	3.24	996	15.79
Blue	A	PE-Cy7	19939	19663	-2	5.51	520	30.22
Red	C	APC	42122	41401	-2	2.93	1732	11.75
Red	A	APC-Cy7	22340	21844	-3	3.21	816	12.02
Violet	B	V450	7410	7059	-5	3.4	429	12.44
Violet	A	V500	28118	27118	-4	2.91	676	9.87

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	22248	2.47	589	20	N/A	N/A	Pass
Blue	F	SSC	57830	1.22	526	14	N/A	N/A	Pass
Blue	E	FITC	53	60.11	491	4	0.0364	206	Pass
Blue	D	PE	113	39.41	494	6	0.4427	415	Pass
Blue	B	PerCP-Cy5-5	184	37.93	591	5	0.0163	22	Pass
Blue	A	PE-Cy7	103	72.07	635	7	0.0208	6	Pass
Red	C	APC	401	24.94	584	8	0.0259	191	Pass
Red	A	APC-Cy7	183	28.66	559	8	0.0059	1222	Pass
Violet	B	V450	60	64.94	463	10	0.0688	2820	Pass
Violet	A	V500	98	36.31	475	10	0.0266	1206	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.45	-31.29	1.00
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	13.87	13.60 - 20.40	N/A	N/A	29.70	29.96	1.23

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 9835

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments